

**ABSTRACT**

An expandable medical device includes a plurality of cylindrical tubes each formed of a plurality of adjacent struts interconnected at alternating ends. The plurality of cylindrical tubes are expandable from a first diameter to a second diameter at which the adjacent struts form substantially V-shapes. The plurality of cylindrical tubes are arranged with the interconnected ends of the struts aligned facing each other in adjacent cylindrical tubes and a plurality of S-shaped bridging elements connected between the interconnected ends of the struts in adjacent cylindrical tubes. The bridging elements are connected entirely above a midline of the V-shapes on one cylindrical tube and entirely below the midline of the V-shapes on an adjacent cylindrical tube.